

Elicitation Exercise

INSTRUCTIONS: Provided verbally or in a cover memo.

Subject Matter Expert _____
Component/Process Seeker Ambient Temperature
Date 10/16/00

To obtain an evaluation of the percent effectiveness of the *Really Deadly Missile System*, we are asking you to provide your expert judgment regarding its components, processes, and subsystems.

Ambient temperature conditions imply the seeker has reached equilibrium temperature with its surroundings. The current specification is 99% effectiveness for ambient temperatures between -10°C to 40°C (i.e., 14°F to 104°F).

Assume all other conditions are nominal; the target is nominal; all other systems/subsystems, etc. perform within design specifications and are unaffected by temperature.

- 1) Please provide your best estimate for the percent effectiveness of the seeker if the ambient temperature is -30°C (i.e., -22°F)

_____ % effectiveness estimate

Record any key considerations or assumptions that you made.

- 2) Please provide a range for that percent effectiveness (e.g., a lower and an upper percent value).

_____ % lower effectiveness estimate

_____ % upper effectiveness estimate

Record any additional considerations or assumptions.
